

Information Systems Risk Management

December 2008

Presented To:

Information Technology Board

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Today's Agenda

- Why do Information Risk Management?
- Application to Lines of Business
- Information Risk Management Roles
- A House of Cards
- Information Risk Management Value
- Information Risk Management points of departure
- Estimated Statewide Effects

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Why Do Information Risk Management?

- Alignment with Federal (& other) partners requirements
- Reduce risk of jeopardizing flow of \$

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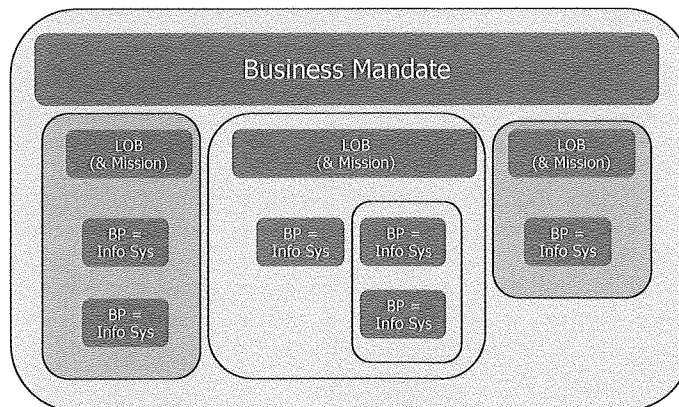


Application to Lines of Business

**Primary
Function**

**Lines of
Business**

**Business
Process**



Info Systems: **Set of organized info resources...**

Info Resources: **Funds, People, Equipment, Info Technology**

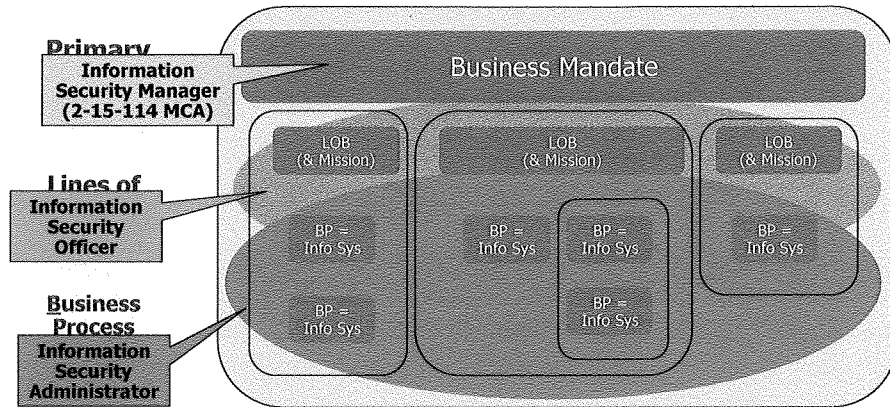
Info Technology: **HW, SW, Network infrastructure, etc...**

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Risk Management Roles

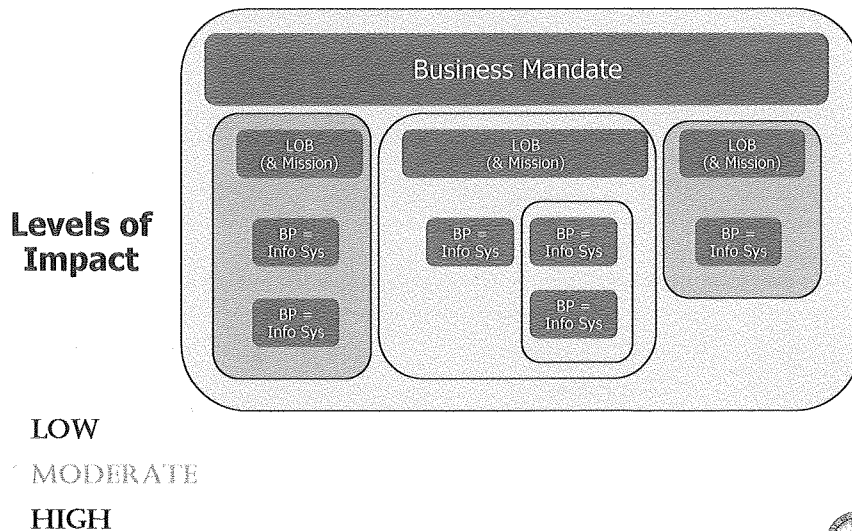


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A House of Cards



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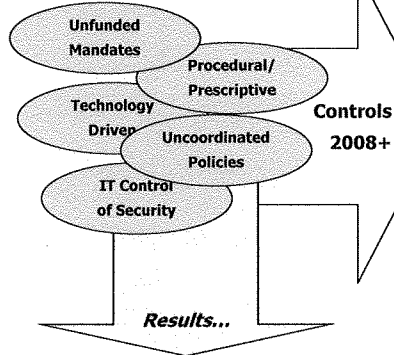
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Risk Management Points of Departure...

Information Risk Management Then...

Management of Technology Threats



**Controls (Limits) on Use of
Technology**
(Driven by Technical Staff)

Information Systems Risk Management...

Attributes:

- Be *business* mission & requirement driven
- Be risk-focused & control-based
- Be a cohesive info security program
- Be enabling
- Support a federated framework
- Support deliberate investment decisions on controls

Results...
Controls on Risk
(Driven by Business/Service Owners)

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Information Risk Management Outcomes

- Alignment with Federal (& other) partners requirements
- Reduce risk of jeopardizing flow of \$

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Information Risk Management Value...

Benefits...	Cost...
You determine your risk tolerance	You assume your risk
You own your risk management solution	You own your security solution
Everyone gets to participate	Everyone participates (by default)
Technical solution serves the business	Business runs the show
Cohesive program	Standard solution: i.e., Common direction

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Estimated Statewide Effect...

- *Transformation*...change of our approach to information stewardship
- 5 to 10 year organizational learning curve
- Institutionalized over: 5 to 8 EPP cycles
- Direct cost: ~\$1.2M per year (Estimate)

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Question 15

Kevin R. Winegardner, CISSP
Chief
Enterprise IS Security Bureau
State of Montana, DOA-ITSD
Helena, MT 59601
406.444.2571
kwinegardner@mt.gov

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